



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA**  
**SECOND EXAMINATION FOR MEDICAL DEGREES - MARCH 2008.**

**ANATOMY PAPER II**

**THREE HOURS**

**MONDAY 24<sup>TH</sup> MARCH 2008**

**Answer all FIVE Questions**

**Answer EACH QUESTION in a SEPARATE BOOK**

**Use diagrams where necessary**

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1.
    - 1.1 Describe the common peroneal nerve. (40 marks)
    - 1.2 Enumerate deformities and disabilities that result when the common peroneal nerve is damaged at the neck of the fibula. (30 marks)
    - 1.3 Describe the microscopic appearance of a peripheral nerve. (30 marks)
  
  2. A 23 year old mother in her first pregnancy had been in labour for nearly 8 hours. When the crown of the foetal head was visible through the vaginal orifice the obstetrician decided to perform a mediolateral episiotomy after giving a pudendal nerve block.
    - 2.1 What perineal structures would be cut during the above surgical procedure? (20 marks)
    - 2.2 What structures would be injured if the perineum is allowed to tear in an uncontrolled fashion? (20 marks)
    - 2.3 List the structures supplied by the pudendal nerve. (20 marks)
    - 2.4 If complete anaesthesia is required in the perineum, what additional nerves have to be blocked? (20 marks)
    - 2.5 Describe briefly, the light microscopic appearance of the vagina. (20 marks)
  
  3.
    - 3.1 List the derivatives of the first pharyngeal arch. (25 marks)
    - 3.2 Describe, how a pharyngeal tonsil can be differentiated from the spleen microscopically. (25 marks)
    - 3.3 Describe the innervation, blood supply and the lymphatic drainage of the tongue. 50 (25 marks)
  
  4. Describe the
    - 4.1 microscopic appearance of a coronary artery. (25 marks)
    - 4.2 gross anatomy of the right atrium. (25 marks)
    - 4.3 nerve supply of the heart. (25 marks)
    - 4.4 embryological basis for the development of Tetralogy of Fallot. (25 marks)
  
  5. A healthy man is having a snack seated at a table.
    - 5.1 List all the muscles he uses to chew the food in his mouth without allowing food to spill out. (40 marks)
    - 5.2 State the nerve supply of the muscles mentioned in 5.1 (20 marks)
    - 5.3 Describe the joints at which his head would move while having the food. (20 marks)
    - 5.4 Describe endochondral ossification briefly. (20 marks)